

Title (en)
COMMUNICATION METHOD, APPARATUS, AND SYSTEM

Title (de)
KOMMUNIKATIONSVERFAHREN, -VORRICHTUNG UND -SYSTEM

Title (fr)
PROCÉDÉ DE COMMUNICATION, APPAREIL ET SYSTÈME

Publication
EP 3879859 A4 20220105 (EN)

Application
EP 19891116 A 20190917

Priority
• CN 201811429322 A 20181127
• CN 2019106197 W 20190917

Abstract (en)
[origin: EP3879859A1] Embodiments of this application disclose a communications method, apparatus, and system, and relate to the field of communications technologies, to resolve a problem that in a scenario in which an operator does not deploy a multicast system of a 5G network across an entire network, an application server cannot determine an area in which the multicast system of the 5G network has been deployed. Specifically, after receiving information about a multicast area that is sent by a sender of a multicast service, a first core network device in a first network obtains, based on the information about the multicast area, indication information that is used to indicate that the first network cannot support the multicast service in the multicast area, or is used to indicate that the first network supports the multicast service in a portion of areas of the multicast area; and sends the indication information to the sender. In this way, the sender of the multicast service can determine whether the first network supports the multicast service in the multicast area.

IPC 8 full level
H04W 4/06 (2009.01); **H04W 76/40** (2018.01); **H04W 88/18** (2009.01)

CPC (source: CN EP US)
H04L 12/1836 (2013.01 - EP); **H04L 12/189** (2013.01 - EP); **H04L 65/1069** (2013.01 - EP); **H04L 65/611** (2022.05 - EP); **H04N 21/6131** (2013.01 - EP); **H04N 21/6405** (2013.01 - EP); **H04W 4/02** (2013.01 - US); **H04W 4/06** (2013.01 - CN EP US); **H04W 76/11** (2018.02 - US); **H04W 76/15** (2018.02 - US); **H04W 76/40** (2018.02 - CN EP); **H04W 16/18** (2013.01 - EP); **H04W 88/18** (2013.01 - EP)

Citation (search report)
• [A] CN 107770727 A 20180306 - ZTE CORP & EP 3720155 A1 20201007 - ZTE CORP [CN]
• [A] WO 2017171297 A1 20171005 - SAMSUNG ELECTRONICS CO LTD [KR]
• [X] HUAWEI ET AL: "Solution for Group Communication for IoT-V2X SIDs", 26 August 2018 (2018-08-26), pages 1 - 12, XP051537289, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg%5Fsa/WG2%5FArch/TSGS2%5F128BIS%5FSophia%5FAntipolis/Docs/S2%2D188387%2Ezip> [retrieved on 20180826]
• [A] SAMSUNG: "5G MBMS Procedure", vol. SA WG2, no. Dongguan, China; 20181015 - 20181019, 8 October 2018 (2018-10-08), XP051539297, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg%5Fsa/WG2%5FArch/TSGS2%5F129%5FDongguan/Docs/S2%2D1810311%2Ezip> [retrieved on 20181008]
• See also references of WO 2020108022A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3879859 A1 20210915; EP 3879859 A4 20220105; CN 111225344 A 20200602; CN 111225344 B 20210914; CN 113891255 A 20220104; CN 113891255 B 20230411; US 2021281981 A1 20210909; WO 2020108022 A1 20200604

DOCDB simple family (application)
EP 19891116 A 20190917; CN 201811429322 A 20181127; CN 2019106197 W 20190917; CN 202111105134 A 20181127; US 202117331303 A 20210526